

WEST Search History

DATE: Monday, September 16, 2002

| <u>Set Name</u> side by side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> result set |
|---------------------------------|--|------------------|-------------------------------|
| | <i>DB=USPT; PLUR=YES; OP=ADJ</i> | | |
| L26 | brace root color green and silk color yellow | 2 | L26 |
| L25 | brace root color green and anther color purple | 1 | L25 |
| L24 | silk color yellow | 12 | L24 |
| L23 | anther color purple and silk color yellow | 0 | L23 |
| L22 | kernel crown color bright yellow | 0 | L22 |
| L21 | L20 and cob color white | 5 | L21 |
| L20 | brace root color green | 24 | L20 |
| L19 | kernel body color dark yellow | 0 | L19 |
| L18 | kernel crown color bright yellow | 0 | L18 |
| L17 | shoots at flowering bald | 0 | L17 |
| L16 | glume ring color yellow | 1 | L16 |
| L15 | l11 and l3 | 28 | L15 |
| L14 | L19 and l11 | 0 | L14 |
| L13 | g4901 and (corn or maize) | 0 | L13 |
| L12 | L11 and l9 and l7 and l4 and l2 | 0 | L12 |
| L11 | L10 and (corn or maize) | 83 | L11 |
| L10 | cob color adj5 white | 83 | L10 |
| L9 | L8 and (corn or maize) | 21 | L9 |
| L8 | anther color adj5 purple | 30 | L8 |
| L7 | L6 and (corn or maize) | 1 | L7 |
| L6 | glume color adj5 green/purple | 1 | L6 |
| L5 | shoots at flowering adj5 bald | 0 | L5 |
| L4 | L3 and (corn or maize) | 72 | L4 |
| L3 | silk color adj5 yellow | 72 | L3 |
| L2 | L1 and (corn or maize) | 25 | L2 |
| L1 | brace root color adj5 green | 25 | L1 |

END OF SEARCH HISTORY

Connecting via Winsock to STN

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LOGINID:ssspta1649axm

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

| | | | |
|--------------|----|--------|--|
| NEWS | 1 | | Web Page URLs for STN Seminar Schedule - N. America |
| NEWS | 2 | Apr 08 | "Ask CAS" for self-help around the clock |
| NEWS | 3 | Apr 09 | BEILSTEIN: Reload and Implementation of a New Subject Area |
| NEWS | 4 | Apr 09 | ZDB will be removed from STN |
| NEWS | 5 | Apr 19 | US Patent Applications available in IFICDB, IFIPAT, and IFIUDB |
| NEWS | 6 | Apr 22 | Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS |
| NEWS | 7 | Apr 22 | BIOSIS Gene Names now available in TOXCENTER |
| NEWS | 8 | Apr 22 | Federal Research in Progress (FEDRIP) now available |
| NEWS | 9 | Jun 03 | New e-mail delivery for search results now available |
| NEWS | 10 | Jun 10 | MEDLINE Reload |
| NEWS | 11 | Jun 10 | PCTFULL has been reloaded |
| NEWS | 12 | Jul 02 | FOREGE no longer contains STANDARDS file segment |
| NEWS | 13 | Jul 22 | USAN to be reloaded July 28, 2002; saved answer sets no longer valid |
| NEWS | 14 | Jul 29 | Enhanced polymer searching in REGISTRY |
| NEWS | 15 | Jul 30 | NETFIRST to be removed from STN |
| NEWS | 16 | Aug 08 | CANCERLIT reload |
| NEWS | 17 | Aug 08 | PHARMAMarketLetter(PHARMAML) - new on STN |
| NEWS | 18 | Aug 08 | NTIS has been reloaded and enhanced |
| NEWS | 19 | Aug 19 | Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN |
| NEWS | 20 | Aug 19 | IFIPAT, IFICDB, and IFIUDB have been reloaded |
| NEWS | 21 | Aug 19 | The MEDLINE file segment of TOXCENTER has been reloaded |
| NEWS | 22 | Aug 26 | Sequence searching in REGISTRY enhanced |
| NEWS | 23 | Sep 03 | JAPIO has been reloaded and enhanced |
| NEWS EXPRESS | | | February 1 CURRENT WINDOWS VERSION IS V6.0d, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002 |
| NEWS HOURS | | | STN Operating Hours Plus Help Desk Availability |
| NEWS INTER | | | General Internet Information |
| NEWS LOGIN | | | Welcome Banner and News Items |
| NEWS PHONE | | | Direct Dial and Telecommunication Network Access to STN |
| NEWS WWW | | | CAS World Wide Web Site (general information) |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:25:19 ON 16 SEP 2002

=> file agricola biosis
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL |
|------------|---------|
| ENTRY | SESSION |
| 0.21 | 0.21 |

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 09:25:30 ON 16 SEP 2002

FILE 'BIOSIS' ENTERED AT 09:25:30 ON 16 SEP 2002
COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC.(R)

=> s silk color (10w) yellow]
L1 1 SILK COLOR (10W) YELLOW]

=> s silk color (10w) yellow
L2 1 SILK COLOR (10W) YELLOW

=> d ti

L2 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Evolution of predator-prey systems: Spider foraging plasticity in response to the visual ecology of prey.

=> s glume ring color adj5 yellow
L3 0 GLUME RING COLOR ADJ5 YELLOW

=> s glume ring color (10w) yellow
L4 0 GLUME RING COLOR (10W) YELLOW

=> s anther color (10w) purple
L5 3 ANTHOR COLOR (10W) PURPLE

=> dup rem l5
PROCESSING COMPLETED FOR L5
L6 2 DUP REM L5 (1 DUPLICATE REMOVED)

=> d 1-2 ti

L6 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Phenotypic diversity for qualitative and phenologic characters in germplasm collections of tef (Eragrostis tef.

L6 ANSWER 2 OF 2 AGRICOLA DUPLICATE 1
TI Sex ratios and inheritance of anther and stigma color in diploid buffalograss.

=> s cob color (10w) white
L7 1 COB COLOR (10W) WHITE

=> d ti

L7 ANSWER 1 OF 1 AGRICOLA
TI Inheritance of popping volume and associated characters in crosses between popcorn and dent corn.

=> d ab

L7 ANSWER 1 OF 1 AGRICOLA
AB The primary purpose of this study was to transmit by backcrossing lodging resistance of dent corn to popcorn. The segregating populations from a

series of these crosses were used to study popping volume and kernel starchiness. From the analysis of the data obtained in this study, the following summary and conclusions are made: 1. Low popping volume was partially dominant over high popping volume in crosses between inbred lines of dent and popcorn. 2. It was necessary to backcross twice to the recurrent popcorn parent to recover popping volume equal to that of the popcorn parent. A small portion of the BC1 generation exhibited popping volumes almost as high as those of the popcorn parent. These data suggest that popping volume is sufficiently simple in its mode of inheritance to permit recovery of desired genotypes in backcrosses using dent corn as the nonrecurrent parent. 3. Some inbred lines of popcorn were superior to others in transmitting popping volume and popcorn type ears to their progeny. 4. Ear size in the BC2 generation was increased to almost twice the average size of the inbred popcorn parent. 5. The dent characteristics of the ears (prevalence of soft starch and indentation of the kernel) were partially dominant over the flinty character of popcorn. Selection of ears with flinty type kernels was effective in reducing starchiness in backcross populations to popcorn parent. 6. There was evidence of relationship between popping volume and the kernel starchiness as shown by significant correlation coefficients in the backcross to the recurrent popcorn parent. 7. A higher proportion of ears with white cobs was found in the flinty types and a higher proportion with red cobs occurred in the denty types, suggesting an association of starchiness with **cob color**. 8. **White** cob ears with the same degree of kernel starchiness as those with red cobs tended to have higher popping volumes. These data indicate a three-fold relationship between cob color, starchiness, and popping volume and suggest that some genes for popping volume may be on chromosome 1.

=> d so

L7 ANSWER 1 OF 1 AGRICOLA
 SO Agronomy journal, May 1949. Vol. 41, No. 5. p. 207-212
 Publisher: Madison, Wis. : American Society of Agronomy, [1949-
 CODEN: AGJOAT; ISSN: 0002-1962

=> s brace root color (10w) green
 L8 0 BRACE ROOT COLOR (10W) GREEN

=> s g4901 and (corn or maize)
 L9 0 G4901 AND (CORN OR MAIZE)

=> s shoots at flowering (10w) bald
 L10 0 SHOOTS AT FLOWERING (10W) BALD